

Liquid treatment involving repeated use of membranes - using membrane with high packing density in first stage and tubular membrane in final stage

Patent Assignee: EBARA INFILCO KK (EBAI)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 52128888	A	19771028					197749 B

Priority Applications (No Type Date): JP 7646288 A 19760422
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1/PN,AB/1

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 4004022	A	19920108					199208 B

Abstract (Basic): JP 4004022 A

Device includes reverse osmosis membrane, where solution is contacted with reverse osmosis membrane under pressure, and solute is permeated to outside through membrane to separate solute from solvent. Calcium phosphate is contained in soln.

ADVANTAGE - Attachment of scale or slime to inner surface of reverse osmosis membrane can be prevented.

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 52128888	A	19771028					197749 B

Abstract (Basic): JP 52128888 A

Process is claimed for treating foodstuffs, brine, waste water, etc. using a membrane such as an inverse-osmotic ultrafiltration, or microporous membrane with application of pressure to drive the sepn. process of e.g. water. The water is sepd. into a concentrate and membrane-penetrating liqs., and the concentrate is further sepd. as the membrane into a concentrate and membrane penetrating liqs. in several stages to obtain a more conc. liq.

Novelty is that a membrane structure having a large packing density is provided, at least, in the first stage of membrane sepn. and a tubular membrane structure is provided, at least, in the final stage for membrane sepn. Former structure comprises a hollow yarn type membrane.

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\$3.01 0.161 DialUnits File352
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*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

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File 352:DERWENT WPI 1963-1998/UD=9840;UP=9837;UM=9835

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*File 352: Effective October 1, DialUnit rates adjusted for unrounding.
See HELP NEWS 352 for details.

Set	Items	Description
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	1	PN=JP 52128888
	1	PN=JP 4004022
S1	2	PN=(JP 52128888+JP 4004022)

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1/3/1

DIALOG(R)File 352:DERWENT WPI

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WPI Acc No: 92-059992/199208

XRAM Acc No: C92-027045

Reverse osmosis desalting device - has calcium phosphate in soln.
contacting reverse osmosis membrane under pressure, to prevent scale and
slime formation

Patent Assignee: FUJITSU LTD (FUIT); FUJITSU VLSI LTD (FUIV)

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Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 4004022	A	19920108					199208 B

Priority Applications (No Type Date): JP 90106084 A 19900420

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WPI Acc No: 77-87560Y/197749